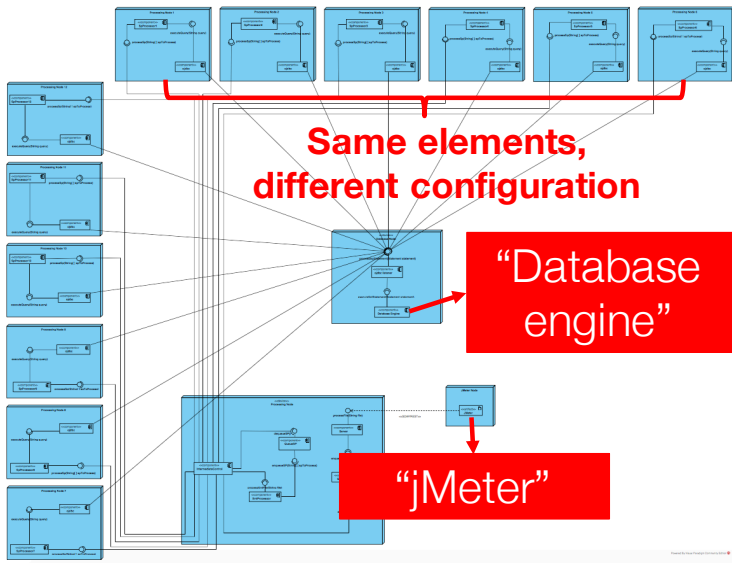


# PANORAMA

## Deployment Specification for Large-Scale Systems

Static deployment  
documentation tools



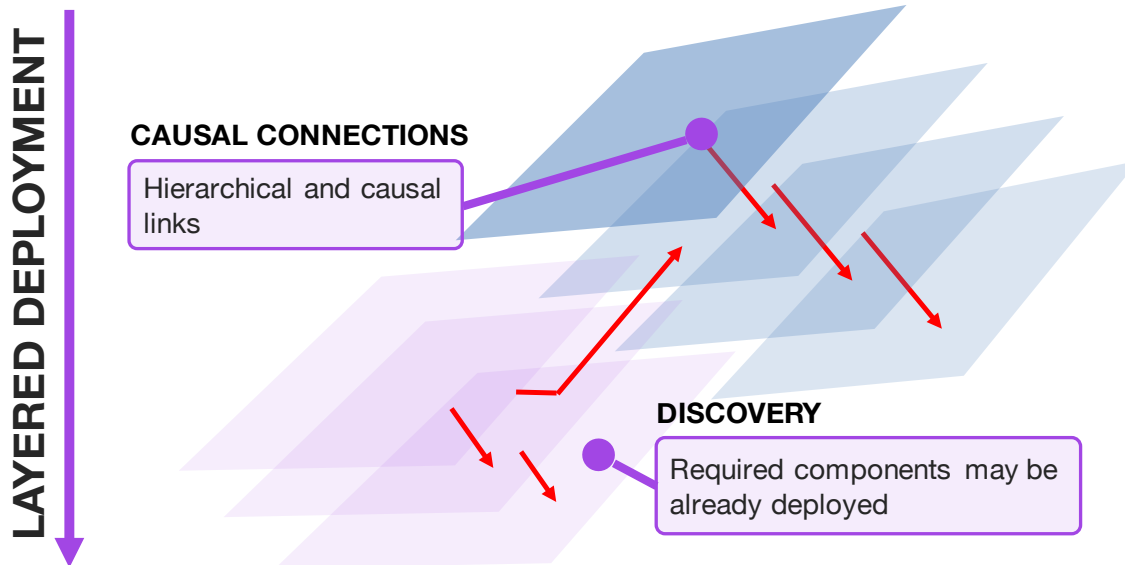
### Deployment specification tools

- are intended for static documentation → usually outdated
- do not support deployment evolution

### UML deployment diagram

- does not scale up well
- infrastructure provisioning, network configuration, elasticity?
- is full of illustrative elements

# PANORAMA: Deployment for Large-Scale Systems



- Causally-connected models
- Different views: software, hardware, network
- Reuse of deployment specs and automation
- Collaboration among the actors involved
- Correspondence specifications-models-systems
- Standard mechanisms to continuous deployment

# Deployment specification challenges

**CH1**

Specification and visualization of deployments from different perspectives and levels of abstraction

**CH2**

Deployment notations to support cross-cutting concerns

**CH3**

Support for linking design and runtime deployment concepts

**CH4**

Evolution of deployment specs and runtime configuration mgmt